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PATENT SPECIFICATION



Application Date: July 18, 1934. No. 14191/35.

438,189

(Divided out of Application No. 20985/34.)

Complete Specification Left: May 15, 1935.

Complete Specification Accepted: Nov. 12, 1935.

PROVISIONAL SPECIFICATION

Improvements in Refrigerated Containers for the Storing and Transporting of Sweetmeats

We, BEECH'S CHOCOLATES LIMITED, a British Company, of Peel Hall Works, Preston, in the County of Lancaster, and EDWARD WHITELEY COLLINSON, a British Subject, of the said Company's address, do hereby declare the nature of this invention to be as follows:—

The present invention relates to the storing and transporting of sweetmeats and includes a method of storing and transporting sweetmeats comprising iced confections housed within a fragile but edible shell in which the shells with their inserts are separately enclosed within compartments of a container which have access to a compartment containing an evaporable refrigerant.

Preferably the container consists of a cardboard box having a central compartment extending from the base to the top and from one side wall to the other for the insertion of an evaporable refrigerant, the spaces on each side of the refrigerant compartment being divided up by removable partitions into separate compartments for the confections. These com-

partments may be formed by the usual slotted strips the slots in one group of parallel strips extending upwardly from the edges forming the bases and the slots in the other group of strips normal there- to extending downwardly from the edges forming the tops of the compartments.

If desired, the depth of one group of the strips may be shallower than the other, so that spaces are left at the base of the container to permit of passage of the evaporable refrigerant compartment to individual compartments containing the confections, one or more spaces being formed in the base of the refrigerant compartments to permit exit of the refrigerant therefrom.

It will thus be appreciated that sweetmeats according to the present invention may be stored without the use of relatively large refrigerators adopted by shops.

Dated this 14th day of May, 1935.

W. P. THOMPSON & CO.,

12, Church Street, Liverpool 1.

Chartered Patent Agents.

COMPLETE SPECIFICATION

Improvements in Refrigerated Containers for the Storing and Transporting of Sweetmeats

We, BEECH'S CHOCOLATES LIMITED, a British Company, of Peel Hall Works, Preston, in the County of Lancaster, and EDWARD WHITELEY COLLINSON, a British Subject, of the said Company's address, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The present invention relates to the storing and transporting of sweetmeats.

According to the present invention a cardboard box comprises one or more compartments for an evaporable solid refrigerant which are rigid with walls of the box and are open adjacent their base, and detachable cellular receptacles each of which is also open at its base for direct

access of refrigerant vapour from said compartment or compartments and houses one or more sweetmeats, said cellular receptacles being formed by interlocking longitudinally and transversely spaced partition strips.

The invention is more particularly described with reference to the accompanying drawings, in which:—

Figure 1 is a plan view of a box according to the present invention.

Figure 2 is a corresponding transverse sectional view in elevation.

Figure 3 is a sectional elevation on the line 3—3 of Figure 1.

In the construction according to the drawings a box 10 has front and rear walls 11 and 12 and side walls 13, 14. Spaced division strips 15 rigidly con-

[Price 1/-]

5 nected at their ends with the front and rear walls 11 and 12 constitute the walls of a compartment 16 for an evaporable refrigerant and at their base have slots 17 to permit of the passage of evaporated refrigerant from said compartment into the remainder of the space within the box.

10 The box, on opposite sides of the refrigerant compartment 16 is divided up into a plurality of cellular receptacles for iced confections 18 by means of removable partitions 19, 20, formed by strips of material such as cardboard. The 15 strips 19 have spaced slits extending from the upper edge of the strips to substantially midway of their depth whilst the strips 20 have slits extending from their base upwardly substantially midway of 20 their depth so that the strips 19, 20 may be interlocked in spaced relationship to form a number of rectangular receptacles between them.

25 The strips 19 which lie parallel with the refrigerant compartment 16 may be of shallower depth than the strips 20 so that the strips 20 constitute the supports for both sets of strips within the box, to leave the required space at the base of 30 each cellular receptacle for direct access of the refrigerant thereto. If desired, however, as illustrated in the drawings, the strips 19 may have slots 21 cut in their lower edges to constitute the 35 required orifices permitting the evaporated refrigerant to pass from the compartment 16 to each of the cellular receptacles. Although not necessary, the strips 20 similarly may have slots 22 cut in 40 their lower edges so that refrigerant in addition to passing in a direction from one side wall 13 to the other side 14 or vice versa, they also pass in a direction to and from the front and rear walls.

45 In the particular form illustrated the iced confections are of substantially

cylindrical form and are enclosed within a cylindrical covering of non-edible material which is twisted at its lower end 23, the lower end 23 of the covering being seated upon the base of the box during storing and transport of the confections. 50

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:— 55

1. A cardboard box comprising one or more compartments for an evaporable solid refrigerant which are rigid with walls of the box and are open adjacent their base, and detachable cellular receptacles each of which is also open at its base for direct access of refrigerant vapour from said compartment or compartments and houses one or more sweetmeats, said cellular receptacles being formed by interlocking longitudinally and transversely spaced partition strips. 60 65

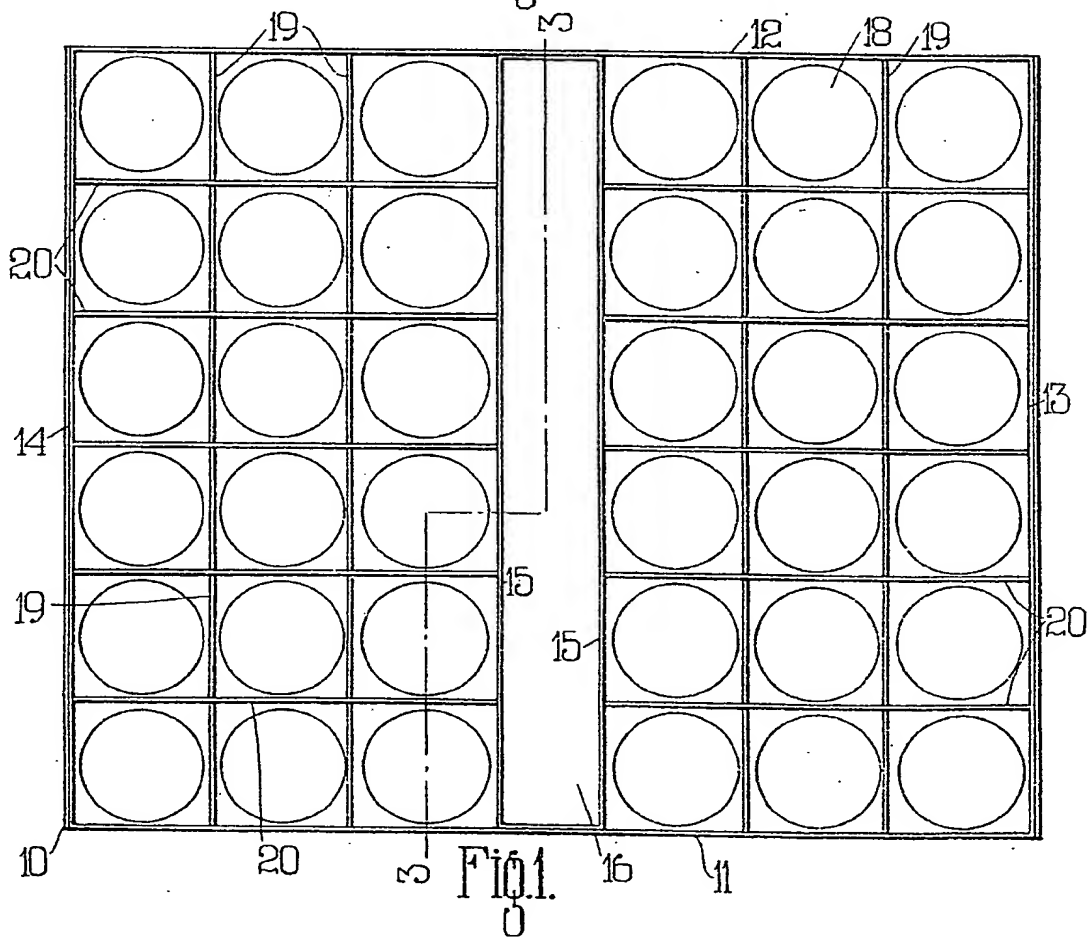
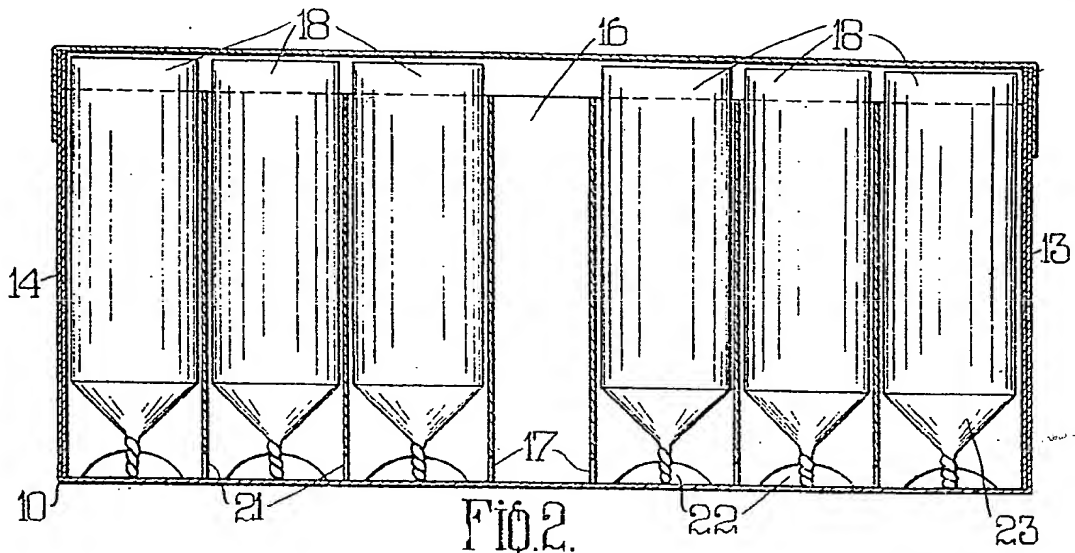
2. A cardboard box as claimed in claim 1 in which the compartment for the evaporable refrigerant extends from one side of a rectangular box to the other and is disposed centrally between the other two sides. 70 75

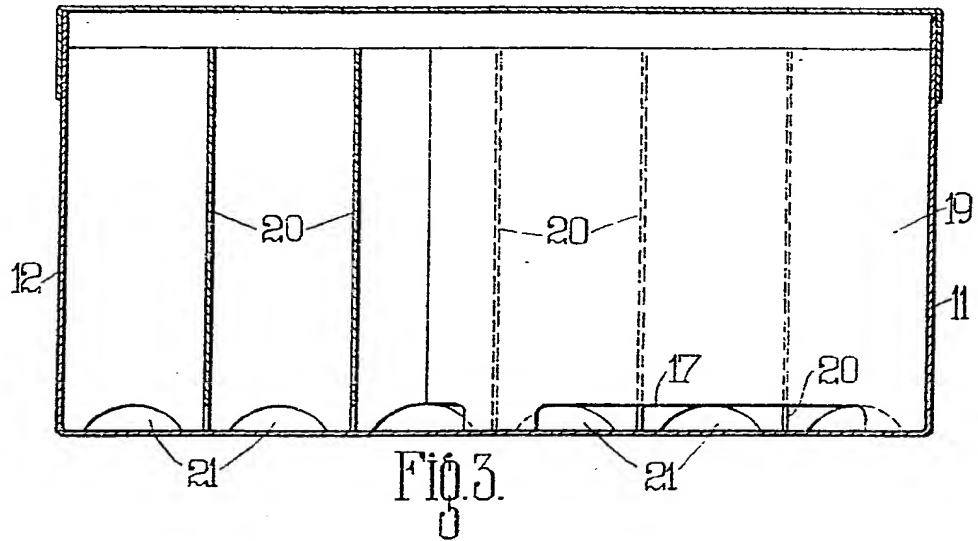
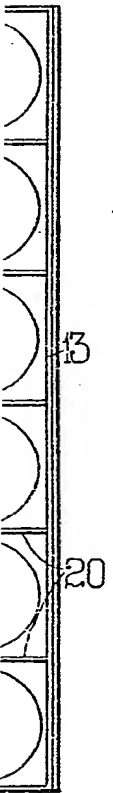
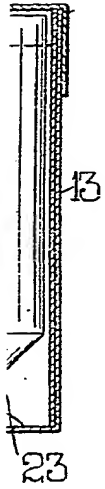
3. A cardboard box as claimed in claim 1 or 2 in which the walls or division strips of the cellular receptacles which lie parallel to said refrigerant compartment walls are slotted or formed to permit of direct access of evaporated refrigerant to all of said receptacles. 80

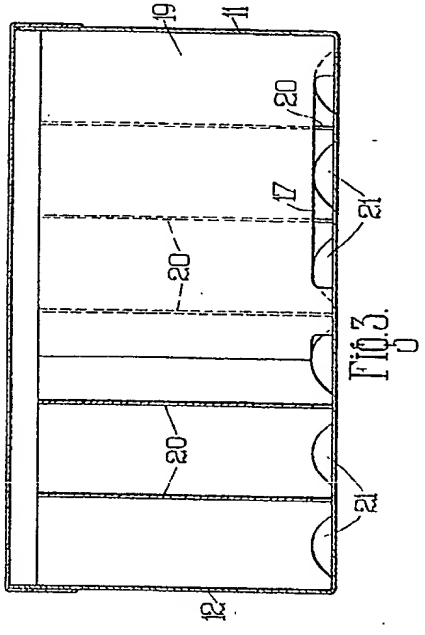
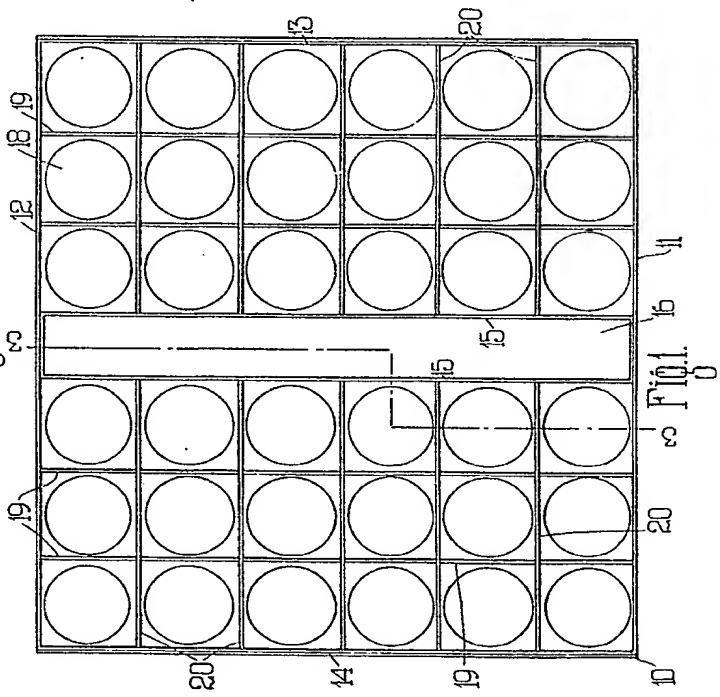
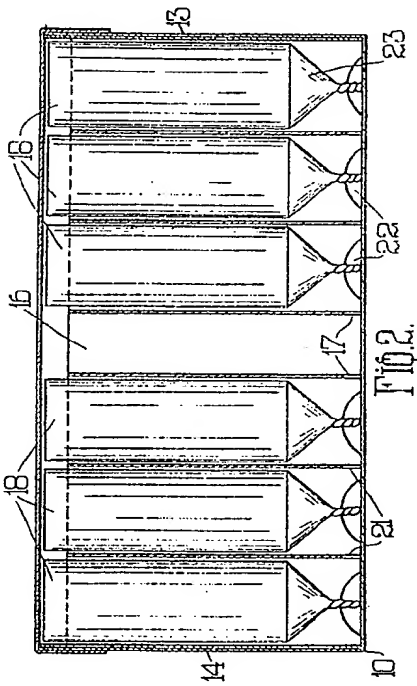
4. A cardboard box having compartments for refrigerant and iced confections constructed and arranged substantially as described with reference to the accompanying drawings. 85

Dated this 14th day of May, 1935.
W. P. THOMPSON & CO.,
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Chartered Patent Agents.

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